AN-1

US Model
Canadian Model
UK Model
E Model
AEP Model

LW/MW/SW WIDE RANGE ANTENNA

SPECIFICATIONS

Frequency range	LW/MW/SW: 0.15 – 30 MHz SW: 1.6 – 30 MHz
Semiconductor	FET × 1, 6 diodes
Antenna	Telescopic antenna, 1.5 m (59 1/8 inches)
Coaxial cable	12 m (39 feet 4 inches)
Output impedance	50 ohms / 75 ohms
Attenuator	0 dB/ 20 dB (selectable)
Power consumption	90 mW
Power requirements	9 V dc, six batteries IEC designation R6 (size AA) DC IN 9 V jack accepts ac power adaptors listed in the following chart.

Location	Operating voltage of the adaptor	ac power adaptor (optional)
USA, Canada	120 V ac, 60 Hz	AC-160W *
UK	240 V ac, 50 Hz	AC-170W *
AEP	220 V ac, 50 Hz	AC-170W *
E	120 V ac (110, 220 or 240 V ac adjustable by Sony personnel) 50/60 Hz	AC-170W (for tourists)
	110, 120, 220 or 240 V ac adjustable, 50/60 Hz	AC-170W * (for other countries)

* These models are not available in Japan.

Battery life	Approx. 90 hours with Sony SUM-3 (NS) New Super batteries
Dimensions	Antenna controller section: Approx. 80 × 31 × 140 mm (w/h/d) (3 1/4 × 1 1/4 × 5 5/8 inches) including projecting parts and controls Antenna module and antenna holder section: Approx. 89 × 660 × 135 mm (w/h/d) (3 5/8 × 26 × 5 3/8 inches) including projecting parts and controls with the antenna folded and attached to the antenna holder
Weight	Antenna controller section: Approx. 340 g (12 oz) including batteries Antenna module and antenna holder section: Approx. 1 kg (2 lb 3 oz) including a coaxial cable

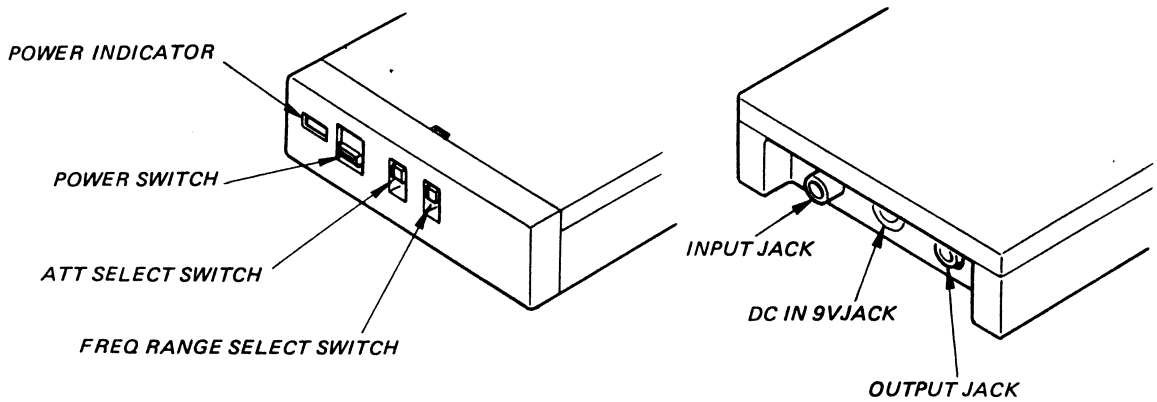
MICROFILM

SONY®
SERVICE MANUAL

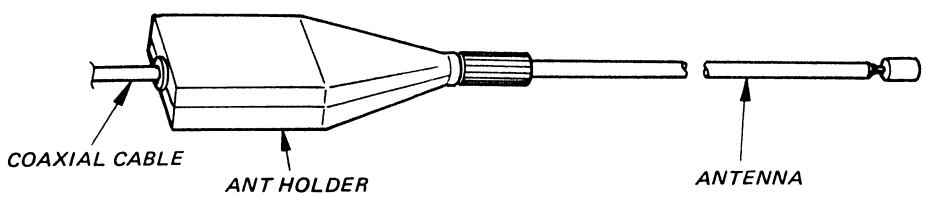
AN-1

1. FUNCTION OF CONTROLS

– ANT CONTROLLER –

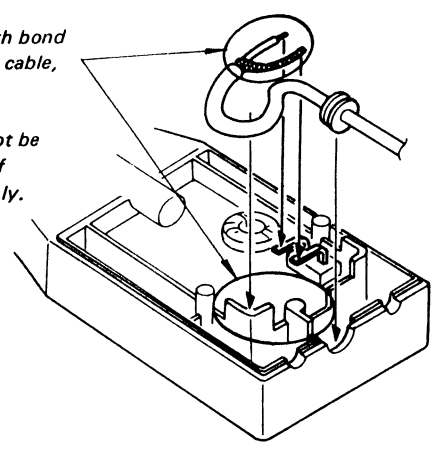


– ANT MODULE –



2. COAXIAL CABLE INSTALLATION

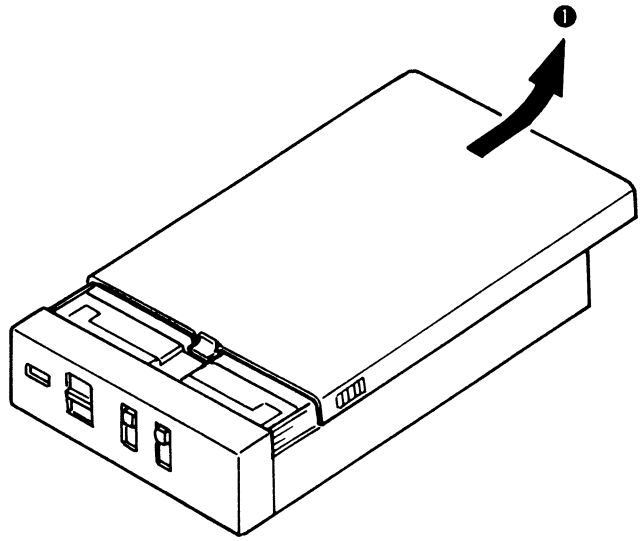
- *Cover these points with bond after soldering coaxial cable, to waterproof.*
- *The Main Board cannot be replaced as it is part of the ANT Case Assembly.*

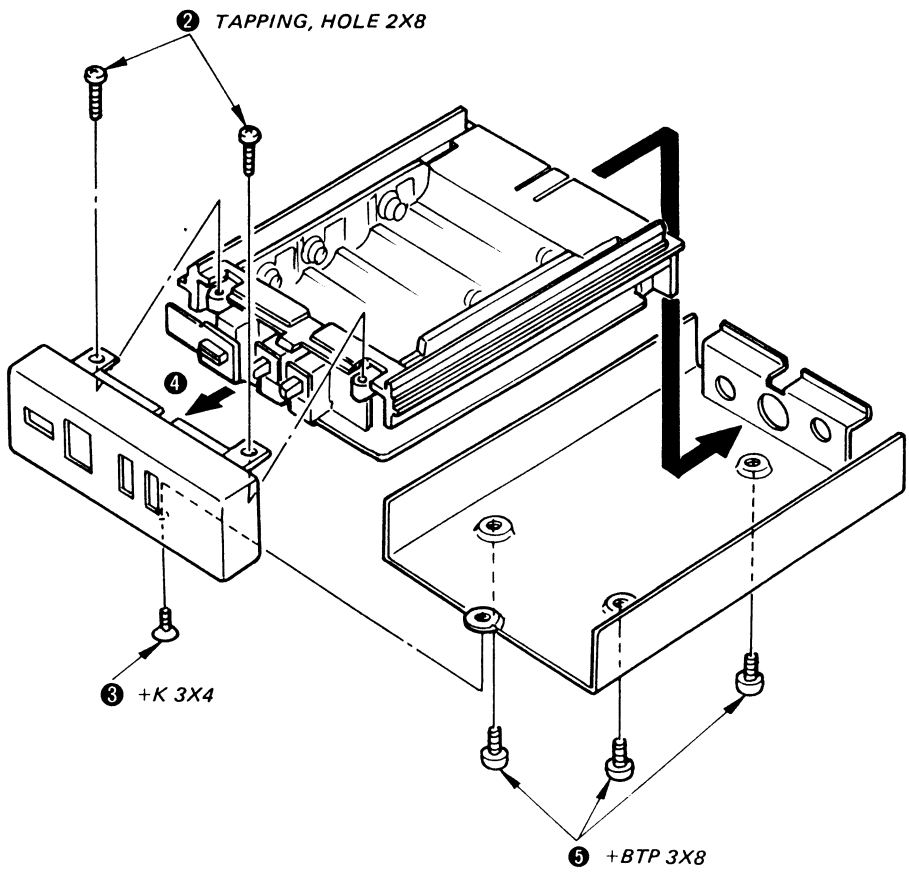


3. DISASSEMBLY

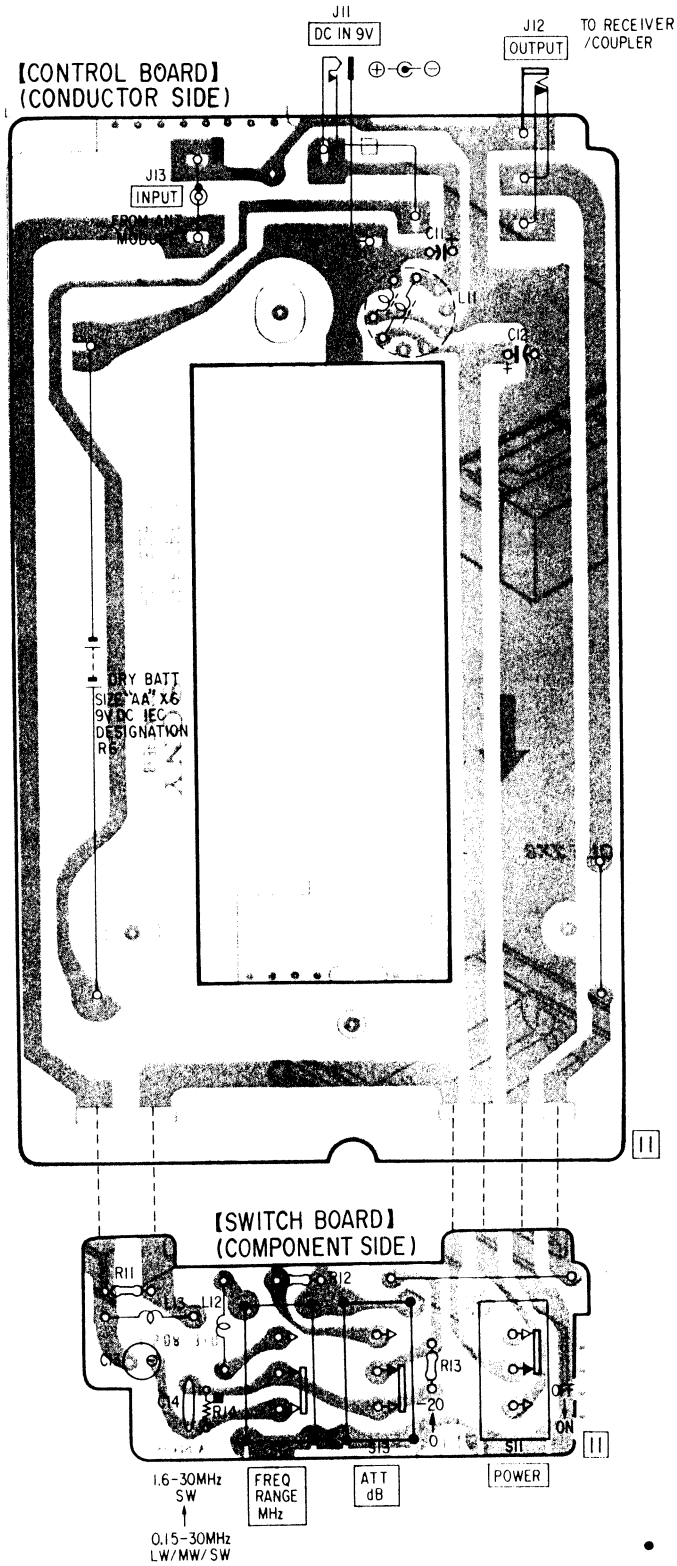
- Follow the disassembly procedure in the numerical order given.

ANT CONTROLER



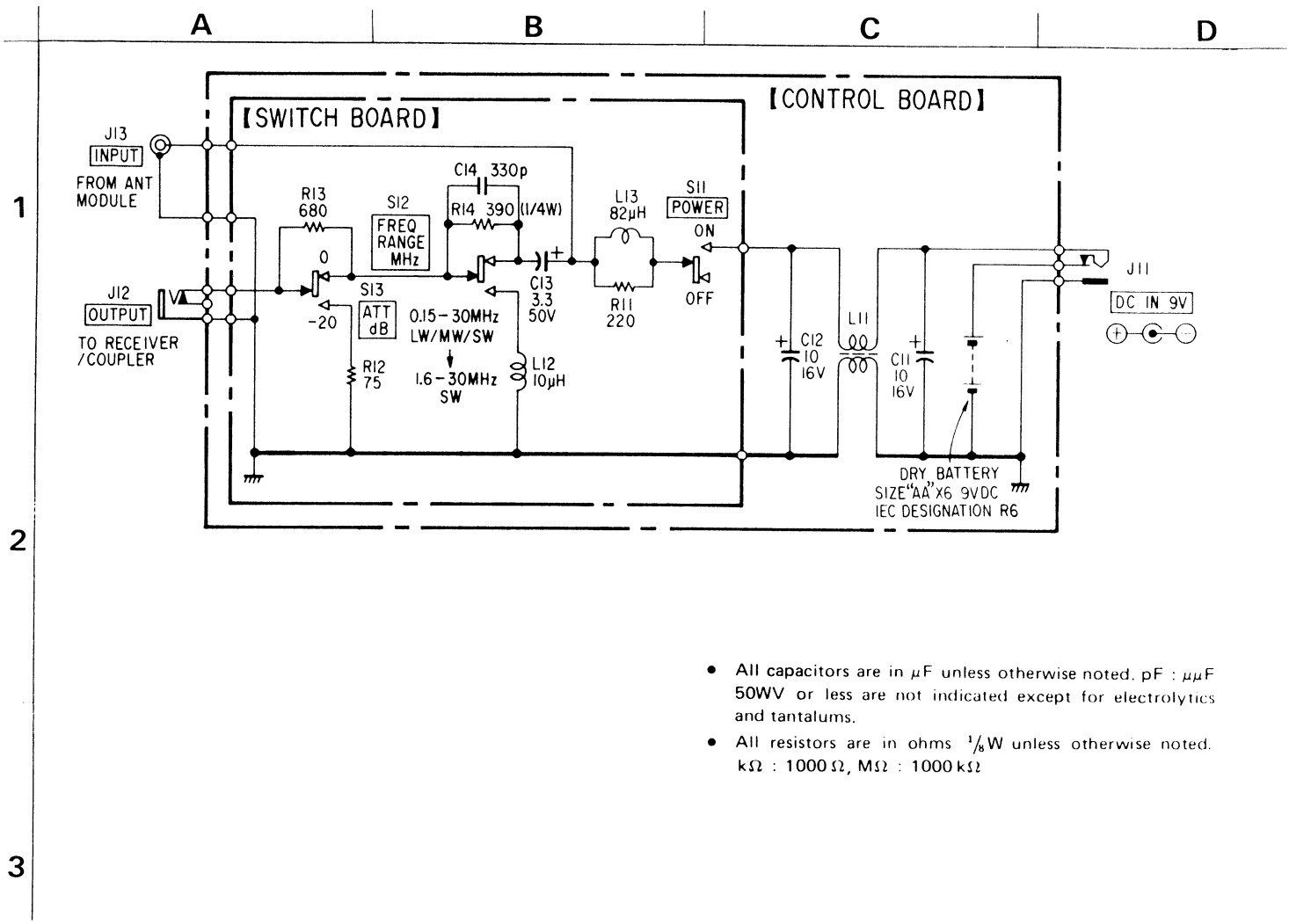


4. MOUNTING DIAGRAM



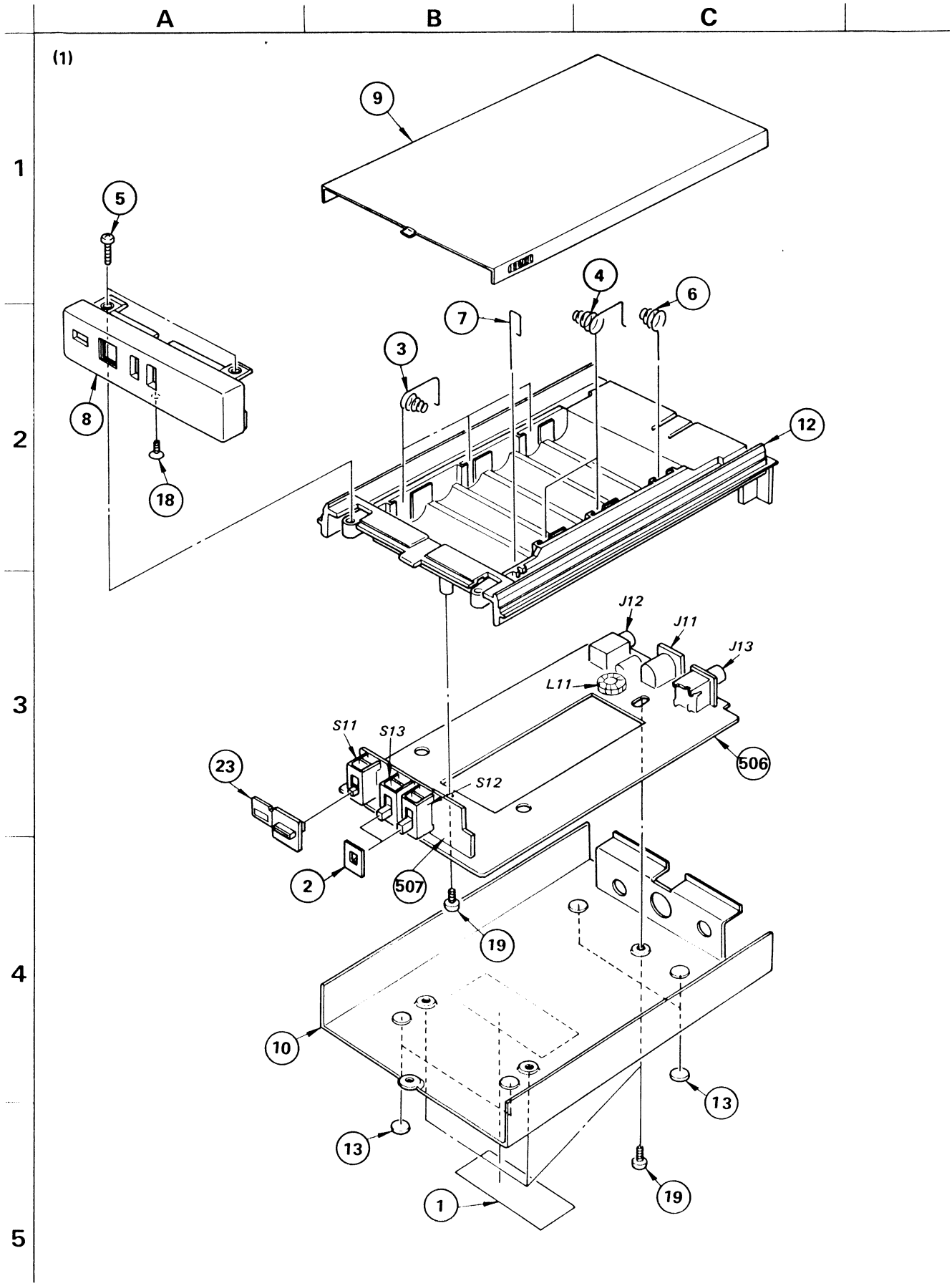
● ■ : part mounted on the conductor side.

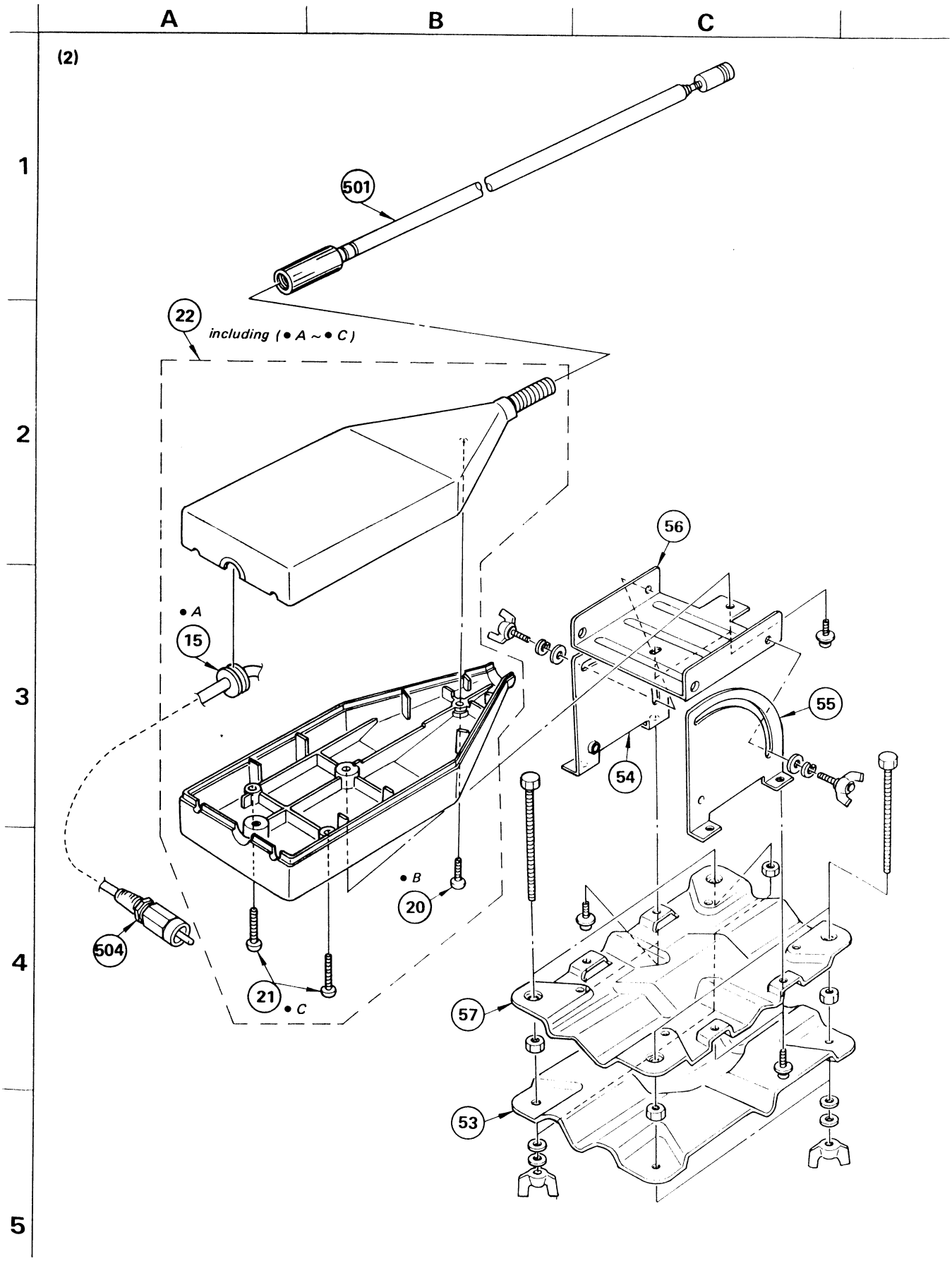
5. SCHEMATIC DIAGRAM



- All capacitors are in μF unless otherwise noted. pF : μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms 1/8W unless otherwise noted. kΩ : 1000Ω, MΩ : 1000kΩ

6. EXPLODED VIEW & PARTS LIST




A
B
C
1
2
3
4
5
(2)
501
22
including (• A ~ • C)
56
• A
15
55
54
• B
20
504
21
• C
57
53

AN-1

GENERAL SECTION

No.	Part No.	Description
1	2-370-901-00	LABEL, MODEL NUMBER
2	2-370-902-00	COVER, SWITCH
3	2-370-903-00	SPRING (A)
4	2-370-904-00	SPRING (B)
5	2-370-905-00	SCREW (2X8), TAPPING, HOLE
6	2-370-906-00	SPRING
7	2-370-907-00	SPRING
8	2-370-914-00	PANEL, FRONT
9	2-370-915-00	CASE (UPPER)
10	2-370-916-00	CASE (LOWER)
11	2-370-918-00	CASE (REAR), ANTENNA
12 ♦	2-370-920-00	HOLDER, BATTERY
13	3-570-903-00	LEG
14	.....	
15	4-302-211-00	BUSHING, RUBBER
16	7-621-259-15	SCREW +P 2.6X3
17	7-623-507-01	LUG, 2.6
18	7-682-245-09	SCREW +K 3X4
19	7-685-546-19	SCREW +BTP . 3X8 TYPE2 N-S
20	7-685-549-14	SCREW +BTP 3X14 TYPE2 N-S
21	7-685-551-14	SCREW +BTP 3X20 TYPE2 N-S
22	X-2370-903-1	ANT CASE ASSY (including MAIN MOUNT)
23	3-881-930-31	KNOB, TONE

ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
51	1-551-759-00	CORD, CONNECTION (RK-36A)
52	1-551-841-00	CORD, CONNECTION (RK-69A)
53 ♦	2-370-908-00	BRACKET (B)
54 ♦	2-370-909-00	CHIP (RIGHT), SUPPORT
55 ♦	2-370-910-00	CHIP (LEFT), SUPPORT
56 ♦	2-370-911-00	DISK
57 ♦	2-370-919-00	BRACKET (A)
58	2-370-929-00	CUSHION, SPACER
59	2-370-932-00	INDIVIDUAL CARTON

ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
60	2-370-933-00	FRAME, INNER
61	3-701-613-00	BAG, POLYETHYLENE (FOR EXT ROD COUPLER)
62	3-701-619-00	BAG, POLYETHYLENE (FOR CHIP SUPPORT)
63	3-701-620-00	BAG, POLYETHYLENE (FOR BRACKET)
64	3-701-623-00	BAG, POLYETHYLENE (FOR PRINTS)
65	3-701-999-00	LABEL, SERIAL NUMBER
66	3-703-485-00	BAG, POLYETHYLENE (FOR BAR ANT COUPLER, ANT CONTROLLER)
67	X-2370-904-1	EXT ROD COUPLER ASSY
68	X-2370-905-1	BAR ANT COUPLER ASSY
69	X-2370-901-0	BOLT ASSY
70	X-2370-902-0	SCREW ASSY
71	3-773-081-01	MANUAL INSTRUCTION

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
501	1-501-269-00	ANTENNA, TELESCOPIC			
502	1-507-777-00	JACK, SMALL TYPE			
503	.....				
504	1-556-457-00	CORD (WITH PLUG)			
505 ♦	1-608-307-00	PC BOARD, CONNECTOR			
506 ♦	1-608-309-00	PC BOARD, CONTROL			
507 ♦	1-608-310-00	PC BOARD, SWITCH			
C11	1-123-356-00	ELECT	10MF	20%	16V
C12	1-123-356-00	ELECT	10MF	20%	16V
C13	1-123-354-00	ELECT	3.3MF	20%	50V
C14	1-102-820-00	CERAMIC	330PF	5%	50V
J11	1-507-954-11	JACK			
J12	1-507-777-00	JACK, SMALL TYPE			
J13	1-507-588-81	JACK, PIN (1P)			
L11	1-421-551-00	COIL, LINE FILTER			
L12	1-408-563-00	MICRO INDUCTOR 10UH			
L13	1-408-574-00	MICRO INDUCTOR 82UH			
R11	1-246-775-00	CARBON	220	5%	1/8W
R12	1-246-830-00	CARBON	75	5%	1/8W
R13	1-246-781-00	CARBON	680	5%	1/8W
R14	1-246-463-00	CARBON	390	5%	1/4W
S11	1-552-327-00	SWITCH			
S12	1-516-226-00	SLIDE SWITCH			
S13	1-516-226-00	SLIDE SWITCH			

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

CAPACITORS:
- All capacitors are in μF. MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms.

COILS
- MMH : mH, UH : μH

Sony Corporation
Audio Group

9-950-940-12

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English
87H0247-1
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